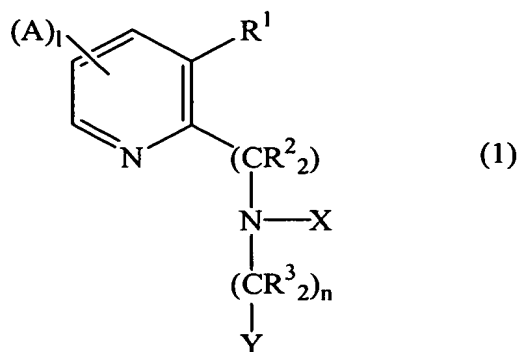


Abstract of the Disclosure

The present invention relates to compounds that bind to chemokine receptors, and having the formula



wherein each A, X, Y,  $R^1$ ,  $R^2$  and  $R^3$  are substituents. The present invention also relates to methods of using such compounds, such as in treating HIV infection and inflammatory conditions such as rheumatoid arthritis. Furthermore, the present invention relates to methods to elevate progenitor and stem cell counts, as well as methods to elevate white blood cell counts, using such compounds.